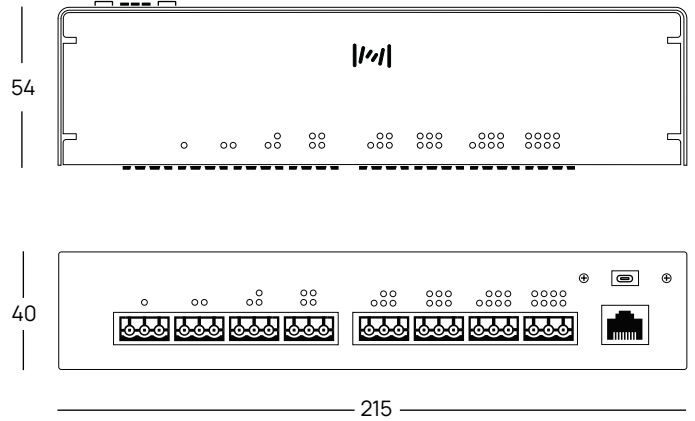# ProtoPixel Long-Range LED Controller

Overview

Robust, versatile and powerful. The ProtoPixel Long-Range is the perfect LED Controller for large scale projects. The ProtoPixel Long-Range Controller allows control of a wide range of digital LED fixtures and each unit can handle up to 9600 RGB LEDs.
It fits all standards through a centralized, safe, and accessible setup in a rack. Made to work with LED exclusively. Standard PoE Ethernet 10/100 Mbps port, for both power and data.

Dimensions

Width	215 mm
Depth	54 mm
Height	40 mm
Weight	500 gr

Electronics (Power)

Power over Ethernet	802.3 af compliant
Input Voltage	48VDC 350mA
Output Voltage	Max. 13VDC

Supported LED ICs

WS2811, WS2812, WS2812B, WS2813, WS2815, Neopixel, SK6812, GW6205, UCS1903, UCS1903B, UCS2904 and CS8812 protocol families.

Indicators

LED 1	Status (Blue)
Depth	Network (Green)
Height	Test (Orange)

Control

No. of Pixels per Outlet	RGB: up to 1200 pixels at 27FPS RGBW: up to 900 pixels at 27FPS
Framerate	min: 27 FPS (using max. Pixels per Outlet) max: › 500 FPS (using 1 Pixel per Outlet)

Communications

Ethernet	Yes
Wi-Fi	Yes

Wiring

Data outlets	8 X 3-way pluggable terminal blocks. 1 for each data outlet. Each block contains A, B and SCR pins for standard RS485 connection
Mounting	1 or 2 units in single rack space

Shell

Material	Steel
Finish	Matte Black

Protection

Isolation	IP 30

Enviromental

Operating Temperature	0ºC to 50ºC
TC Value	70ºC

Other

Country of Origin	Spain
Warranty	3 years